

<u>Fixture</u>					
Scale: 1-5		Totals:	184	182	156
Design Criteria		Weight	Cantilevered Beam	3-point bending	Axial Loading
Load Capacity		4	5	4	1
Length		1	5	5	5
Width		1	5	5	5
Height		1	5	5	5
Sample Size		2	5	5	5
Time to Mount		2	4	3	4
Fits on desktop?		4	5	5	5
Maximum weight		3	5	5	3
Fully Reversible		5	5	5	2
Partially Reversible		5	5	5	3
Bent Sample Capability		5	4	4	5
Detect Fracture		5	2	2	4
Repeatability		4	4	5	5

<u>Power Source</u>						
Scale: 1-5		Totals:	149	107	103	131
Design Criteria	Weight	Electric Motor	Hydraulics	Pneumatics	Linear Actuator	
Max Frequency	4	5	2	4	1	
Min Frequency	2	4	5	5	5	
Cost	3	5	2	2	3	
Noise	4	5	3	2	5	
Complexity	5	5	2	1	4	
Controllability	5	4	5	3	4	
Size	3	4	3	2	4	
Ability to Detect Fracture	4	1	3	3	4	
Power Draw	5	5	3	5	4	